CLAIMS

What is claimed is:

1.   A method for controlling at least one remote device over a communication system, comprising:

5   monitoring a communication system for activity;

detecting whether activity on the communication system enables reception of at least one incoming instruction;

storing said incoming instructions when activity on the communication system enables reception of incoming

10 instructions; and

transmitting said incoming instructions to said device.

2.   The method of claim 1, further comprising:

15   receiving at least one tone or pulse over said communication system; and

translating said tones or pulses into said instructions.

20 3.   The method according to claim 1, further comprising:

analyzing position of said tones or pulses; and

translating said tones or pulses and position information into instructions.

4.   A method for controlling at least one remote device over a communication system, comprising:

monitoring a communication system for activity;

detecting whether the communication system is off

5   hook;

determining whether an incoming call is made when the system is off hook;

detecting whether activity on the communication system enables reception of at least one incoming instruction;

10   determining whether a call is established to access the remote device;

storing said incoming instructions when activity on the communication system enables reception of incoming instructions;

15   transmitting said incoming instructions to said device; and

controlling said device based on said instructions.

5.   The method of claim 4, further comprising:

20   receiving at least one tone or pulse over said communication system; and

translating said tones or pulses into said instructions.

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6.   The method according to claim 4, further comprising:

analyzing position of said tones or pulses; and

translating said tones or pulses and position

information into instructions.

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7.   The method according to claim 5 wherein the tones

or pulses are transmitted by a central server of a

telecommunication system.

10   8.   The method according to claim 5 wherein the tones

or pulses are transmitted by an internet central server.

9.   The method of claim 5, further comprising:

converting said tones or pulses into infrared

15 light containing said incoming instructions.

10.   The method of claim 5, further comprising:

converting said tones or pulses into audio data

containing said incoming instructions.

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11.   The method of claim 5, further comprising:

converting said tones or pulses into electrical

pulses containing said incoming instructions.

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12.   A system for controlling at least one remote

device over a communication system, comprising:

means for monitoring a communication system for

activity; .

5   means for detecting whether activity on the

communication system enables reception of at least one

incoming instruction;

means for storing said incoming instructions when

activity on the communication system enables reception of

10   incoming instructions; and

means for transmitting said incoming instructions to

said device.

13.   The system of claim 12, further comprising:

15   means for receiving at least one tone or pulse over

said communication system; and

means for translating said tones or pulses into said

instructions.

20   14.   The system according to claim 12, further comprising:

means for analyzing position of said tones or pulses;

and

means for translating said tones or pulses and

position information into instructions.

15.   A system for controlling at least one remote

device over a communication system, comprising:

means for monitoring a communication system for

5   activity;

means for detecting whether the communication system

is off hook;

means for determining whether an incoming call is made

when the system is off hook;

10   means for detecting whether activity on the

communication system enables reception of at least one

incoming instruction;

means for determining whether a call is established to

access the remote device;

15   means for storing said incoming instructions when

activity on the communication system enables reception of

incoming instructions;

means for transmitting said incoming instructions to

said device; and

20   means for controlling said device based on said

instructions.

16.   The system of claim 15, further comprising:

means for receiving at least one tone or pulse over

said communication system; and

means for translating said tones or pulses into said

instructions.

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17.   The system according to claim 15, further comprising:

means for analyzing position of said tones or pulses;

and

means for translating said tones or pulses and

10   position information into instructions.

18.   The system according to claim 16, wherein the

tones or pulses are transmitted by a central server of a

telecommunication system.

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19.   The system according to claim 16, wherein the

tones or pulses are transmitted by an internet central

server.

20   20.   The system of claim 16, further comprising:

means for converting said tones or pulses into

infrared light containing said incoming instructions.

21.   The system of claim 16, further comprising:

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means for converting said tones or pulses into audio data containing said incoming instructions.

22. The system of claim 16, further comprising:

5   means for converting said tones or pulses into electrical pulses containing said incoming instructions.

23. A system for controlling at least one remote device over a communication system, comprising:

10   a processor configured for monitoring a communication system for activity, for detecting whether activity on the communication system enables reception of at least one incoming instruction

       a memory for storing said incoming instructions when

15 activity on the communication system enables reception of incoming instructions; and

       a transmitter configured for transmitting said incoming instructions to said device.

20 24. The system of claim 23, further comprising:

       a decoder configured for translating tones or pulses into said instructions.

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25. The system according to claim 23, wherein the processor is further configured for analyzing position of said tones or pulses; and

the decoder is further configured for translating said

5   tones or pulses and position information into instructions.

26. A system for controlling at least one remote device over a communication system, comprising:

a processor configured for monitoring a communication

10   system for activity, for detecting whether the communication system is off hook, for determining whether an incoming call is made when the system is off hook, for detecting whether activity on the communication system enables reception of at least one incoming instruction, for

15   determining whether a call is established to access the remote device;

a memory configured for storing said incoming instructions when activity on the communication system enables reception of incoming instructions; and

20   a transmitter configured for transmitting said incoming instructions to said device.

27. The system of claim 26, further comprising:

a decoder configured for translating tones or pulses

into said instructions.

The system according to claim 26, wherein the

5   processor is further configured for analyzing position

of said tones or pulses; and

said decoder is further configured for translating

said tones or pulses and position information into

instructions.

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28.   The system according to claim 27, wherein the

tones or pulses are transmitted by a central server of a

telecommunication system.

15   29.   The system according to claim 27, wherein the

tones or pulses are transmitted by an internet central

server.

30.   The system of claim 27, wherein the transmitter

20   is further configured for converting said tones or pulses

into infrared light containing said incoming instructions.

31.   The system of claim 27, wherein the transmitter is further configured for converting said tones or pulses into audio data containing said incoming instructions.

5   32.   The system of claim 27, wherein the transmitter is further configured for converting said tones or pulses into electrical pulses containing said incoming instructions.

10   33.   Computer executable software code stored on a computer readable medium , the code for controlling at least one remote device over a communication system, comprising:

code for monitoring a communication system for
15   activity;

code for detecting whether activity on the communication system enables reception of at least one incoming instruction;

code for storing said incoming instructions when
20 activity on the communication system enables reception of incoming instructions; and

code for transmitting said incoming instructions to said device.

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34.   Computer executable software code stored on a

computer readable medium , the code for controlling at

least one remote device over a communication system,

comprising:

5   code for monitoring a communication system for

activity;

code for detecting whether the communication system is

off hook;

code for determining whether an incoming call is made

10   when the system is off hook;

code for detecting whether activity on the

communication system enables reception of at least one

incoming instruction;

code for determining whether a call is established to

15   access the remote device;

code for storing said incoming instructions when

activity on the communication system enables reception of

incoming instructions;

code for transmitting said incoming instructions to

20   said device; and

code for controlling said device based on said

instructions.

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35. A computer readable medium having computer executable software code stored thereon, the code for controlling at least one remote device over a communication system, comprising:

5   code for monitoring a communication system for activity;

code for detecting whether activity on the communication system enables reception of at least one incoming instruction;

10   code for storing said incoming instructions when activity on the communication system enables reception of incoming instructions; and

code for transmitting said incoming instructions to said device.

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36. A computer readable medium having computer executable software code stored thereon, the code for controlling at least one remote device over a communication system, comprising:

20   code for monitoring a communication system for activity;

code for detecting whether the communication system is off hook;

code for determining whether an incoming call is made when the system is off hook;

code for detecting whether activity on the communication system enables reception of at least one

5   incoming instruction;

code for determining whether a call is established to access the remote device;

code for storing said incoming instructions when activity on the communication system enables reception of

10 incoming instructions;

code for transmitting said incoming instructions to said device; and

code for controlling said device based on said instructions.

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37. A programmed computer for controlling at least one remote device over a communication system, comprising:

a memory having at least one region for storing computer executable program code; and

20 a processor for executing the program code stored in memory, wherein the program code includes:

code for monitoring a communication system for activity;

code for detecting whether activity on the

communication system enables reception of at least one

incoming instruction;

code for storing said incoming instructions when

5   activity on the communication system enables reception of

incoming instructions; and

code for transmitting said incoming instructions to

said device.

10   38.   A programmed computer for controlling at least

one remote device over a communication system, comprising:

a memory having at least one region for storing

computer executable program code; and

a processor for executing the program code stored in

15   memory, wherein the program code includes:

code for monitoring a communication system for

activity;

code for detecting whether the communication system is

off hook;

20   code for determining whether an incoming call is made

when the system is off hook;

code for detecting whether activity on the

communication system enables reception of at least one

incoming instruction;

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code for determining whether a call is established to

access the remote device;

code for storing said incoming instructions when

activity on the communication system enables reception of

5   incoming instructions;

code for transmitting said incoming instructions to

said device; and

code for controlling said device based on said

instructions.

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39. A method for controlling at least one remote

device over a communication system, comprising:

monitoring a communication system for activity;

detecting whether an outgoing discount call is being

15   made;

detecting whether activity on the communication system

enables reception of at least one incoming instruction;

storing said incoming instructions when activity on

the communication system enables reception of incoming

20   instructions; and

transmitting said incoming instructions to said

device.

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40. A method for controlling at least one remote device over a communication system, comprising:

monitoring a communication system for activity;

detecting whether the communication system is off

5   hook;

determining whether an incoming call is made when the system is off hook;

detecting whether an outgoing discount call is being made;

10   detecting whether activity on the communication system enables reception of at least one incoming instruction;

determining whether a call is established to access the remote device;

storing said incoming instructions when activity on

15   the communication system enables reception of incoming instructions;

transmitting said incoming instructions to said device; and

controlling said device based on said instructions.

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41. A system for controlling at least one remote device over a communication system, comprising:

means for monitoring a communication system for activity;

means for detecting whether an outgoing discount call

is being made;

means for detecting whether activity on the

communication system enables reception of at least one

5   incoming instruction;

means for storing said incoming instructions when

activity on the communication system enables reception of

incoming instructions; and

means for transmitting said incoming instructions to

10   said device.

42.   A system for controlling at least one remote

device over a communication system, comprising:

means for monitoring a communication system for

15   activity;

means for detecting whether the communication system

is off hook;

means for determining whether an incoming call is made

when the system is off hook;

20   means for detecting whether an outgoing discount call

is being made;

means for detecting whether activity on the

communication system enables reception of at least one

incoming instruction;

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means for determining whether a call is established to

access the remote device;

means for storing said incoming instructions when

activity on the communication system enables reception of

5   incoming instructions;

means for transmitting said incoming instructions to

said device; and

means for controlling said device based on said

instructions.

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43. A system for controlling at least one remote

device over a communication system, comprising:

a processor configured for monitoring a communication

system for activity, for detecting whether an outgoing

15   discount call is being made, for detecting whether activity

on the communication system enables reception of at least

one incoming instruction

a memory for storing said incoming instructions when

activity on the communication system enables reception of

20   incoming instructions; and

a transmitter configured for transmitting said

incoming instructions to said device.

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44. A system for controlling at least one remote device over a communication system, comprising:

a processor configured for monitoring a communication system for activity, for detecting whether the

5 communication system is off hook, for determining whether an incoming call is made when the system is off hook, for detecting whether an outgoing discount call is being made, for detecting whether activity on the communication system enables reception of at least one incoming instruction, for

10 determining whether a call is established to access the remote device;

a memory configured for storing said incoming instructions when activity on the communication system enables reception of incoming instructions; and

15 a transmitter configured for transmitting said incoming instructions to said device.

45. The system of claim 27, wherein the transmitter is further configured for converting said tones or pulses

20 into electrical pulses containing said incoming instructions.

46. Computer executable software code stored on a computer readable medium , the code for controlling at

least one remote device over a communication system,

comprising:

    code for monitoring a communication system for

activity;

5   code for detecting whether an outgoing discount call

is being made;

    code for detecting whether activity on the

communication system enables reception of at least one

incoming instruction;

10   code for storing said incoming instructions when

activity on the communication system enables reception of

incoming instructions; and

    code for transmitting said incoming instructions to

said device.

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    47.   Computer executable software code stored on a

computer readable medium , the code for controlling at

least one remote device over a communication system,

comprising:

20   code for monitoring a communication system for

activity;

    code for detecting whether the communication system is

off hook;

code for determining whether an incoming call is made when the system is off hook;

code for detecting whether an outgoing discount call is being made;

5   code for detecting whether activity on the communication system enables reception of at least one incoming instruction;

code for determining whether a call is established to access the remote device;

10   code for storing said incoming instructions when activity on the communication system enables reception of incoming instructions;

code for transmitting said incoming instructions to said device; and

15   code for controlling said device based on said instructions.

48.   A computer readable medium having computer executable software code stored thereon, the code for

20   controlling at least one remote device over a communication system, comprising:

code for monitoring a communication system for activity;

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code for detecting whether an outgoing discount call

is being made;

code for detecting whether activity on the

communication system enables reception of at least one

5   incoming instruction;

code for storing said incoming instructions when

activity on the communication system enables reception of

incoming instructions; and

code for transmitting said incoming instructions to

10   said device.

49.   A computer readable medium having computer

executable software code stored thereon, the code for

controlling at least one remote device over a communication

15   system, comprising:

code for monitoring a communication system for

activity;

code for detecting whether the communication system is

off hook;

20   code for determining whether an incoming call is made

when the system is off hook;

code for detecting whether an outgoing discount call

is being made;

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code for detecting whether activity on the

communication system enables reception of at least one

incoming instruction;

code for determining whether a call is established to

5   access the remote device;

code for storing said incoming instructions when

activity on the communication system enables reception of

incoming instructions;

code for transmitting said incoming instructions to

10 said device; and

code for controlling said device based on said

instructions.

50. A programmed computer for controlling at least

15 one remote device over a communication system, comprising:

a memory having at least one region for storing

computer executable program code; and

a processor for executing the program code stored in

memory, wherein the program code includes:

20   code for monitoring a communication system for

activity;

code for detecting whether an outgoing discount call

is being made;

code for detecting whether activity on the

communication system enables reception of at least one

incoming instruction;

code for storing said incoming instructions when

5 activity on the communication system enables reception of

incoming instructions; and

code for transmitting said incoming instructions to

said device.

10 51. A programmed computer for controlling at least

one remote device over a communication system, comprising:

a memory having at least one region for storing

computer executable program code; and

a processor for executing the program code stored in

15 memory, wherein the program code includes:

code for monitoring a communication system for

activity;

code for detecting whether the communication system is

off hook;

20 code for determining whether an incoming call is made

when the system is off hook;

code for detecting whether an outgoing discount call

is being made;

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code for detecting whether activity on the

communication system enables reception of at least one

incoming instruction;

code for determining whether a call is established to

5   access the remote device;

code for storing said incoming instructions when

activity on the communication system enables reception of

incoming instructions;

code for transmitting said incoming instructions to

10   said device; and

code for controlling said device based on said

instructions.